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October 9, 2008

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Title: MODULATION OF HIF1ALPHA AND HIF2ALPHA EXPRESSION
Letters Patent No. 7,217,572
Issued: May 15, 2007
Our Reference: ISIS.038CP1

Dear Sir:

Enclosed for filing is a Certificate of Correction in connection with the above-identified patent.

As some of the errors cited in the Certificate of Correction were incurred through the fault of the Applicant, the fee of \$100 will be paid via EFS Web. Please charge any additional fees to our Deposit Account No. 11-1410.

Respectfully submitted,

Knobbe, Martens, Olson & Bear, LLP



Brenden Gingrich
Registration No. 60,295
Customer No. 55,389

Enclosures

5927326
Q91508

Orange County
949-760-0404

San Francisco
415-954-4114

Los Angeles
310-551-3450

Riverside
951-781-9231

Seattle
206-405-2000

Washington, DC
202-640-6400

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,217,572
APPLICATION NO. : 10/719,370
ISSUE DATE : May 15, 2007
INVENTOR(S) : Ward et al.

Page 1 of 3

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

First Page, Col. 2 (Other Publications), line 6, Delete "pates" and insert -- pages --, therefor.
First Page, Col. 2 (Other Publications), line 9, Delete "inhibitor-1'" and insert -- inhibitor-1, --, therefor.
Page 2, Col. 1 (Other Publications), line 14, Delete "hypoxia inducible" and insert -- hypoxia-inducible --, therefor.
Page 2, Col. 1 (Other Publications), line 34, Delete "Hypoxia Inducible" and insert -- Hypoxia-Inducible --, therefor.
Page 2, Col. 1 (Other Publications), line 57, Delete "hypoxia inducible" and insert -- hypoxia-inducible --, therefor.
Page 2, Col. 1 (Other Publications), line 61, Delete "Hypoxia inducible" and insert -- Hypoxia-inducible --, therefor.
Page 2, Col. 2 (Other Publications), line 1, Delete "s" and insert -- a --, therefor.
Page 2, Col. 2 (Other Publications), line 72, Delete "Endotelial" and insert -- Endothelial --, therefor.
Page 3, Col. 2 (Other Publications), line 6, Delete "Investgition," and insert -- Investigation, --, therefor.
Col. 1, line 52, Delete "hypoxia inducible" and insert -- hypoxia-inducible --, therefor.
Col. 5, line 13 (Approx.), Delete "bindingsite" and insert -- binding site --, therefor. (Consider Space)
Col. 5, line 57, Delete "(PPARS)" and insert -- (PPARs) --, therefor.
Col. 7, line 51 (Approx.), Delete "HIF2 α activity" and insert -- HIF2 α activity --, therefor. (Consider Space)
Col. 23, line 51 (Approx.), Delete "B. $_{ed}$," and insert -- B. $_{ed}$, --, therefor.
Col. 26, line 39, Delete "administration," and insert -- administration --, therefor.
Col. 28, line 63, Delete "ara-binoside," and insert -- arabinoside, --, therefor.
Col. 29, line 3, Delete "deoxyco-formycin," and insert -- deoxycosformycin, --, therefor.
Col. 29, line 8, Delete "teni-poside," and insert -- teniposide, --, therefor.
Col. 33, line 15, Delete "Tetrahedron" and insert -- Tetrahedron --, therefor.
Col. 34, line 62 (Approx.), After "Strand" insert -- (SEQ ID NO: 456) --.
Col. 34, line 63 (Approx.), After "Complement" insert -- (SEQ ID NO: 457) --.
Col. 35, line 5, After "Strand" insert -- (SEQ ID NO: 455) --.
Col. 35, line 6 (Approx.), After "Complement" insert -- (SEQ ID NO: 458) --.
Col. 35, line 25, Delete "HIF1 α or HIF2 α " and insert -- HIF1 α or HIF2 α --, therefor.
Col. 35, line 29, Delete "200 μ L" and insert -- 200 μ L --, therefor.
Col. 35, line 31, Delete "130 μ L" and insert -- 130 μ L --, therefor.
Col. 35, line 32, Delete "•g/mL" and insert -- μ g/mL --, therefor.
Col. 35, line 33, Delete "200 M." and insert -- 200 nM. --, therefor.
Col. 39, line 61 (Approx.), Delete "minutes," and insert -- minutes. --, therefor.
Col. 59, line 22, Col. 4 (Table 4), Delete "tccaaatggatcacaactgatc" and insert -- tctaaatggatcacaactgatc --, therefor.
Col. 62, lines 48-49, Delete "AGGCCGAGAATGGGAAGCTTGTAC" and insert AAGGCCGAGAATGGGAAGCTTGTAC --, therefor.
Col. 66, line 57, Delete "3'-directions)" and insert -- 3' directions) --, therefor.
Col. 79, line 4, Delete "Hif1 α " and insert -- HIF1 α --, therefor.

MAILING ADDRESS OF SENDER:

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Col. 79, line 11 (Approx.), Delete "Hif2 α " and insert -- HIF2 α --, therefor.
Col. 82, lines 34-35, Delete "HIF1 \bullet and not HIF2 \bullet " and insert -- HIF1 α and not HIF2 α --, therefor.
Col. 82, line 37, Delete "HIF2 \bullet and not HIF1 \bullet " and insert -- HIF2 α and not HIF1 α --, therefor.
Col. 82, line 39, Delete "HIF1 \bullet " and insert -- HIF1 α --, therefor.
Col. 82, line 40, Delete "HIF2 \bullet " and insert -- HIF2 α --, therefor.
Col. 82, line 62 (Approx.), Delete "(TTCGCGGCTGGATTCA G;" and insert -- (TTCGCGGCTGGACGATTCA G; --, therefor.
Col. 82, line 64, Delete "HIF1 \bullet and HIF2 \bullet " and insert -- HIF1 α and HIF2 α --, therefor.
Col. 82, line 66, Delete "HIF1 \bullet and HIF2 \bullet " and insert -- HIF1 α and HIF2 α --, therefor.
Col. 83-84, lines 2-3, Col. 6 (Table 13), Delete "MisMatches" and insert -- Mismatch --, therefor.
Col. 84, line 11 (Approx.), Delete "HIF1 \bullet /HIF2 \bullet " and insert -- HIF1 α /HIF2 α --, therefor.
Col. 85, line 8 (Approx.), Delete "Crossr Acting" and insert -- Crossreacting --, therefor.
Col. 87, lines 1-5 (Approx.), Delete "Table 15 Effect of HIF1 α and HIF2 α antisense oligonucleotides on angiogenic tube formation".
Col. 87, line 20, Insert -- Table 15 Effect of HIF1 α and HIF2 α antisense oligonucleotides on angiogenic tube formation --.
Col. 87, line 53, Delete "HIF1 \bullet and crossreactive to human HIF1 \bullet " and insert -- HIF1 α and crossreactive to human HIF1 α --, therefor.
Col. 87, lines 60-61 (Approx.), Delete "HIF1 \bullet expression in mouse liver by antisense to HIF1 \bullet " and insert -- HIF1 α expression in mouse liver by antisense to HIF1 α --, therefor.
Col. 87, line 62 (Approx.), Delete "HIF1 \bullet " and insert -- HIF1 α --, therefor.
Col. 88, lines 3-4 (Approx.), Delete "HIF1 \bullet expression in mouse liver by antisense to HIF1 \bullet " and insert -- HIF1 α expression in mouse liver by antisense to HIF1 α --, therefor.
Col. 88, line 6 (Approx.), Delete "HIF1 \bullet " and insert -- HIF1 α --, therefor.
Col. 88, line 17 (Approx.), Delete "HIF1 \bullet " and insert -- HIF1 α --, therefor.
Col. 88, line 31 (Approx.), Delete "HIF1 \bullet " and insert -- HIF1 α --, therefor.
Col. 88, line 54, Delete "HIF1 \bullet " and insert -- HIF1 α --, therefor.
Col. 88, line 61 (Approx.), Delete "HIF1 \bullet " and insert -- HIF1 α --, therefor.
Col. 88, line 63 (Approx.), Delete "HIF1 \bullet " and insert -- HIF1 α --, therefor.
Col. 89, line 4 (Approx.), Delete "HIF1 \bullet " and insert -- HIF1 α --, therefor.
Col. 89, line 5 (Approx.), Delete "HIF1 \bullet " and insert -- HIF1 α --, therefor.
Col. 89, line 11 (Approx.), Delete "HIF1 \bullet " and insert -- HIF1 α --, therefor.
Col. 89, line 17 (Approx.), Delete "HIF1 \bullet " and insert -- HIF1 α --, therefor.
Col. 89, line 42, Delete "HIF2 \bullet " and insert -- HIF2 α --, therefor.
Col. 89, line 43, Delete "HIF2 \bullet " and insert -- HIF2 α --, therefor.
Col. 89, line 46, Delete "HIF2 \bullet " and insert -- HIF2 α --, therefor.
Col. 89, line 47, Delete "HIF2 \bullet " and insert -- HIF2 α --, therefor.

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Col. 92, line 11, Delete "10 •M" and insert -- 10 μ M --, therefor.

In the Claims:

Col. 366, line 18 (Approx.), In Claim 17, delete "oligonucleotide" and insert -- oligonucleotide --, therefor.

Col. 366, line 23 (Approx.), In Claim 17, delete "5-niethylcytidines." and insert -- 5-methylcytidines. --, therefor.

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